WHAT IS CLAIMED IS:

1. A process for inhibiting vascular proliferation in the eye of a patient, comprising the step of

introducing an effective amount of a composition into the vitreous of the eye for sufficient time to induce posterior vitreous detachment, said composition comprising at least two active compounds selected from the group consisting of plasmin, plasminogen, urokinase, streptokinase, chondroitinase, tissue plasminogen activator, pro-urokinase, retavase, metaloproteinase, and thermolysin, where each of said active compounds are introduced into the eye in a non-toxic amount.

2. The process of claim 1, comprising introducing a nontoxic dose of a composition comprising plasminogen and a plasminogen activator enzyme.

3. The process of claim 2, wherein said plasminogen activator enzyme is an enzyme capable of dissolving blood clots and fibrin.

4. The process of claim 2, wherein said composition comprises plasminogen and at least one plasminogen activator selected from the group consisting of urokinase, streptokinase and tissue plasminogen activator.

5. The process of claim 1, comprising injecting said composition into the vitreous of said eye.

6. The process of claim 2, comprising injecting said plasminogen into the vitreous of said eye at a dose of at least 0.1 CU.

7. The process of claim 2, wherein said plasminogen and plasminogen activator enzyme are dispersed in an ophthalmologically acceptable carrier.

8. The process of claim 7, wherein said carrier is a balanced saline solution.

9. The process of claim 2, wherein said plasminogen activator is urokinase and said process comprises injecting said urokinase at a dose of about 1,000 IU.

10. The process of claim 2, wherein said plasminogen activator is urokinase and said process comprises introducing said plasminogen at a dose of about 0.01 units to about 16.0 units, and introducing said urokinase at a dose of about 500 units to about 2500 IU.

11. A process for preventing or inhibiting retinal hemorrhaging, retinal tears and retinal detachment in the eye caused by vitreous contraction, said process comprising the step of

injecting a composition into the vitreous of said eye in an effective amount to induce posterior vitreous detachment in said eye, said composition comprising a pharmaceutically acceptable carrier and at least two active compounds selected from the group consisting of plasminogen, urokinase, chondroitinase, pro-urokinase, tissue plasminogen activator, retavise, thermolysin, streptokinase, α-thrombin, dipase, and transglutaminase, where each of said active compounds are introduced into the eye in a non-toxic amount.

12. The process of claim 11, wherein said composition comprises plasminogen and urokinase and said composition is injected to provide said plasminogen at a dose of about 0.01 CU to about 16.0 CU and said urokinase at a dose of about 500 IU to about 2500 IU.

13. The process of claim 11, wherein said pharmaceutically acceptable carrier is a balanced saline solution.

14. The process of claim 11, wherein said plasminogen activator is urokinase and said process comprises injecting said urokinase at a dose of about 1,000 IU.

15. The process of claim 1, wherein said composition contains plasminogen and at least one plasminogen activator.

16. A composition for inducing posterior vitreous detachment in the eye of an animal and dissolving blood clots in the vitreous comprising:

plasminogen,

a plasminogen activator enzyme in an amount sufficient to convert said plasminogen to plasmin selected from the group consisting of chondroitinase, pro-urokinase, tissue plasminogen activator, streptokinase, metaloproteinase, thermolysin, transglutaminase, and mixtures thereof,

said plasminogen and plasminogen activator being present in amounts to induce posterior vitreous detachment from the retina without causing inflammation.

17. A process for dissolving fibrin in the vitreous of an eye comprising the steps of

introducing a composition into the vitreous of said eye in an effective amount to dissolve fibrin present in the vitreous, said composition comprising a mixture of plasminogen, a plasminogen activator enzyme and an ophthalmologically acceptable carrier, and

dissolving the fibrin in the vitreous.

18. The process of claim 17, wherein said plasminogen activator is selected from the group consisting of urokinase, streptokinase and tissue plasminogen activator.

19. The process of claim 17, wherein said composition further comprises a compound selected from the group consisting of chondroitinase, pro-urokinase, tissue plasminogen activator, retavase, metaloproteinase, thermolysin, α-thrombin, dipase, transglutaminase, and mixtures thereof, in a non-toxic amount.

20. The process of claim 17, comprising injecting said plasminogen at a dose of about 0.1 to 16.0 units.

21. The process of claim 17, comprising injecting said tissue plasminogen activator at a dose of about 25 micrograms.

22. The process of claim 17, comprising injecting said urokinase or streptokinase at a dose of about 500 to 2500 units.